

FIG. 1

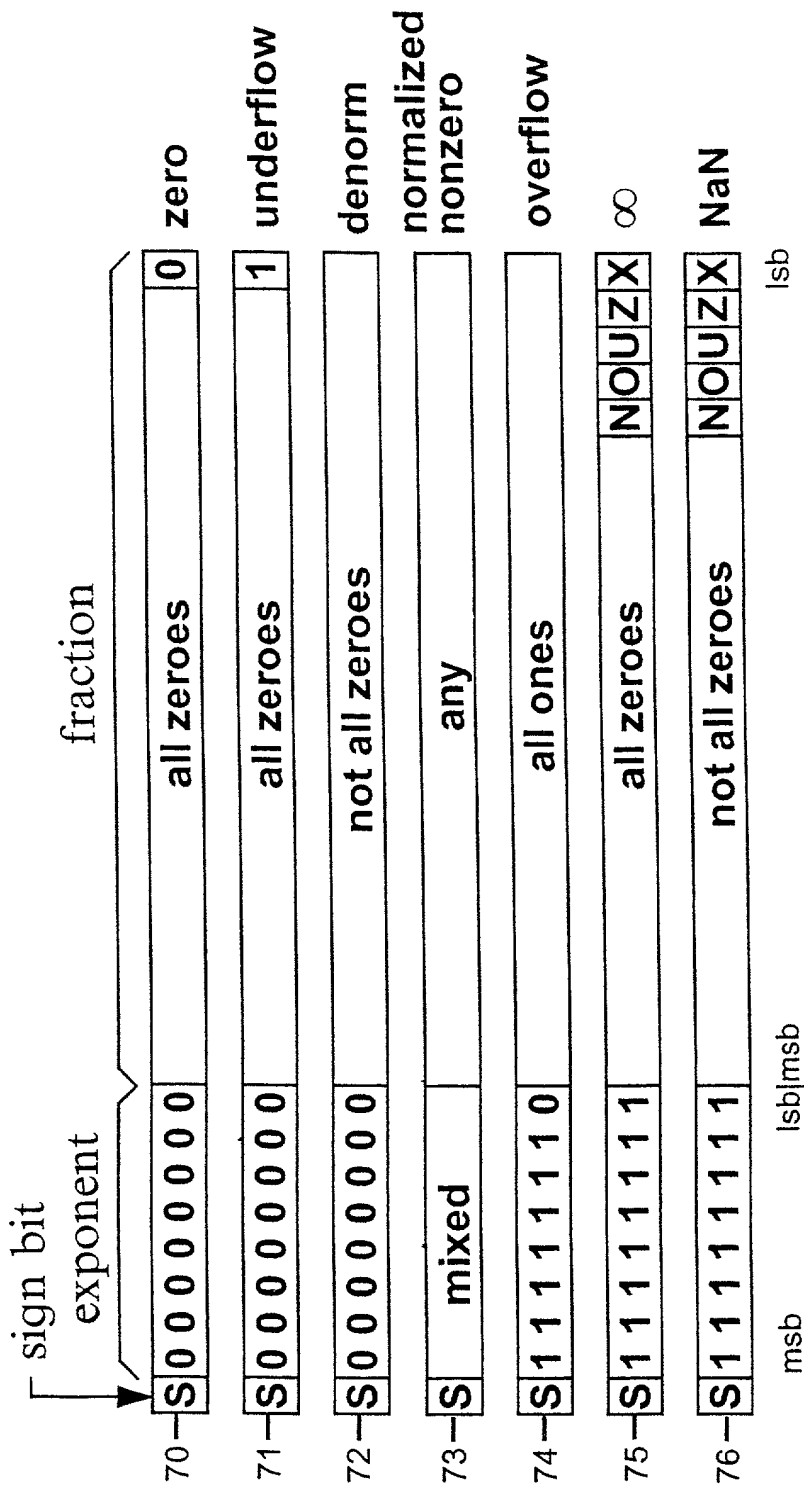


FIG. 2

| | |
|------|---|
| sqrt | |
| -oo | The result is the positive NaN value 0 11111111 1000000000000011001ouzx (to indicate "square root of less than zero" with the invalid operation flag set), where ouzx is the four least significant bits $f_{lsb+3} \dots f_{lsb}$ of the fraction field of the operand |
| -OV | The result is the positive NaN value 0 11111111 10000000000000110011001 (to indicate "square root of less than zero" with the invalid operation, overflow, and inexact flags set). |
| -P | The result is the positive NaN value 0 11111111 10000000000000110010000 (to indicate "square root of less than zero" with the invalid operation flag set). |
| -UN | The result is the positive NaN value 0 11111111 10000000000000110010101 (to indicate "square root of less than zero" with the invalid operation, underflow, and inexact flags set). |
| -0 | The result is -0. |
| +0 | The result is +0 |
| +UN | For "round toward plus infinity", the result is the same as if +UN were replaced by +TINY; for all other rounding modes, the result is +UN |
| +P | The result is as computed in accordance with IEEE Std. 754. |
| +OV | For "round toward minus infinity", the result is the same as if +OV were replaced by +HUGE; for all other rounding modes, the result is +OV. |
| +oo | The result is the same as the operand. |
| NaN | The result is the same NaN value, except that the sign of the result is always + |

FIG. 3

| | | | | | | | | | | | |
|-----------|--------|----|---|----|---|---|-----|------|---|-------|--------------------|
| 1--10---- | [-NaN] | -- | * | 00 | 0 | 0 | 001 | 1000 | 1 | 00000 | [+NaN op1 f1] |
| 1--11---- | [-Inf] | -- | * | 00 | 0 | 0 | 001 | 0001 | 1 | 10000 | [+"sqrt neg" f1 n] |
| 1-1----1- | [-OV_] | -- | * | 00 | 0 | 0 | 001 | 0001 | 0 | 11001 | [+"sqrt neg" nox] |
| 1-----1 | [-Q_] | -- | * | 00 | 0 | 0 | 001 | 0001 | 0 | 10000 | [+"sqrt neg" n] |
| 11----1-- | [-UN_] | -- | * | 00 | 0 | 0 | 001 | 0001 | 0 | 10101 | [+"sqrt neg" nux] |
| 11---1--- | [-0_] | -- | * | 00 | 0 | 1 | 100 | 0100 | 0 | 00000 | [-0] |
| 01---1--- | [+0_] | -- | * | 00 | 0 | 0 | 100 | 1000 | 0 | 00000 | [+0] |
| 01----1-- | [+UN_] | 0- | * | 00 | 0 | 0 | 100 | 1000 | 0 | 00001 | [+UN] |
| 01----1-- | [+UN_] | 10 | * | 11 | 1 | 0 | 000 | 0000 | 0 | 00000 | [sqrt (TINY)] |
| 01----1-- | [+UN_] | 11 | * | 00 | 0 | 0 | 100 | 1000 | 0 | 00001 | [+UN] |
| 0-----1 | [+P_] | -- | * | 00 | 1 | 0 | 001 | 0000 | 0 | 00000 | [sqrt (P)] |
| 0-1----1- | [+OV_] | 0- | * | 00 | 0 | 0 | 010 | 0010 | 0 | 11111 | [+OV] |
| 0-1----1- | [+OV_] | 10 | * | 00 | 0 | 0 | 010 | 0010 | 0 | 11111 | [+OV] |
| 0-1----1- | [+OV_] | 11 | * | 01 | 1 | 0 | 000 | 0000 | 0 | 00000 | [sqrt (HUGE)] |
| 0111---- | [+Inf] | -- | * | 00 | 0 | 0 | 001 | 1000 | 1 | 00000 | [+Inf op1 f1] |
| 0110---- | [+NaN] | -- | * | 00 | 0 | 0 | 001 | 1000 | 1 | 00000 | [+NaN op1 f1] |

FIG. 4